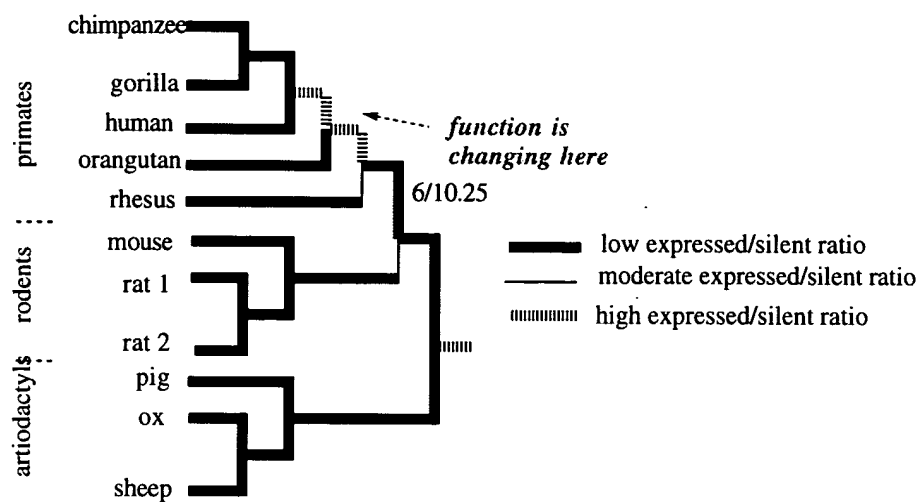


The phylogenetic tree shows the following relationships:

- Primates:** chimpanzee, human, gorilla, orangutan, rhesus. The chimpanzee and human lineages are sister taxa, as are the gorilla and orangutan lineages. These two pairs are sister to each other, and this group is sister to the rhesus monkey.
- Rodents:** mouse, rat 1, rat 2. The mouse is sister to a clade containing rat 1 and rat 2.
- Artiodactyls:** pig, ox, sheep. The pig and ox are sister taxa, and the sheep is sister to that pair.
- Carnivores:** dog. The dog is sister to the entire artiodactyl clade.
- Rooting and Major Split:** The tree is rooted on the left. A red 'X' marks the node where the lineage leading to the primates and rodents diverges from the lineage leading to the artiodactyls and carnivores.

Drawing 2

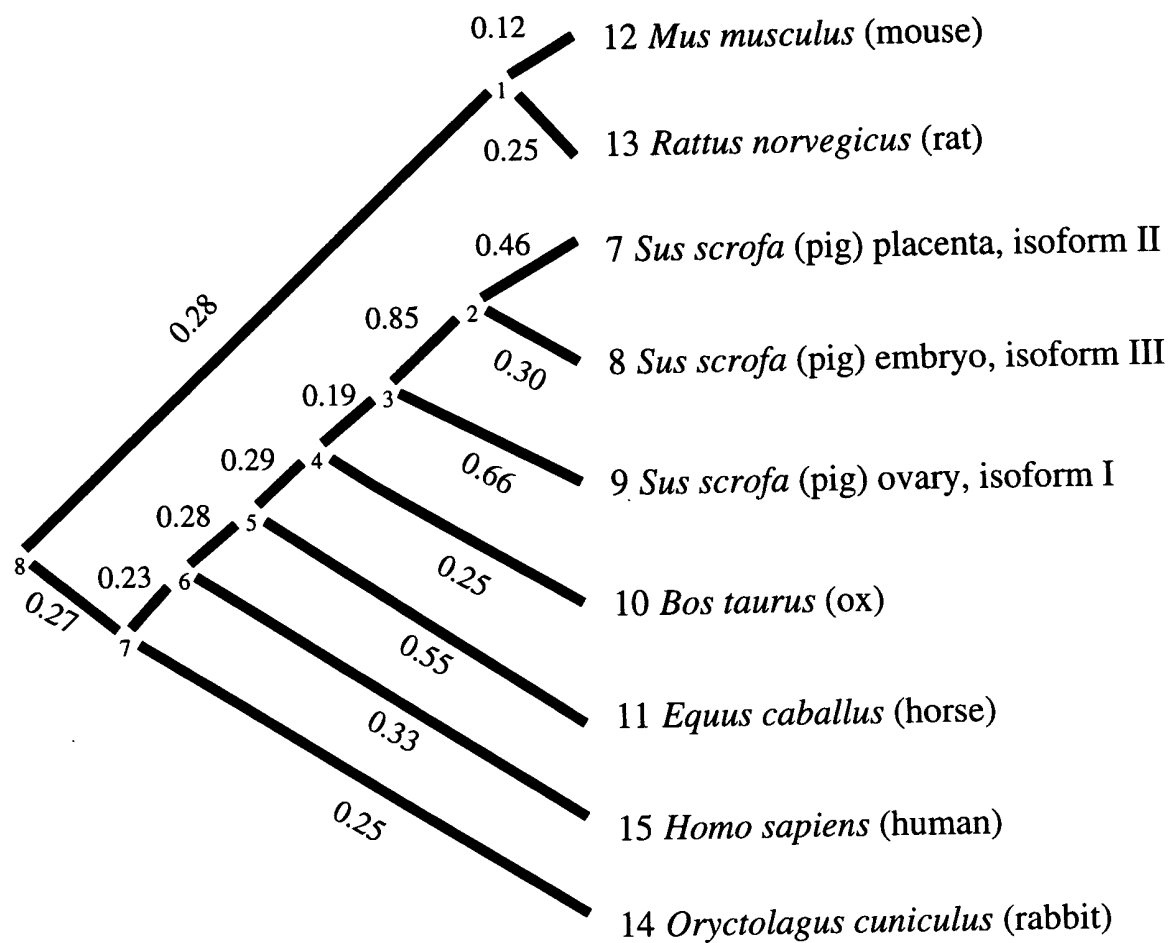


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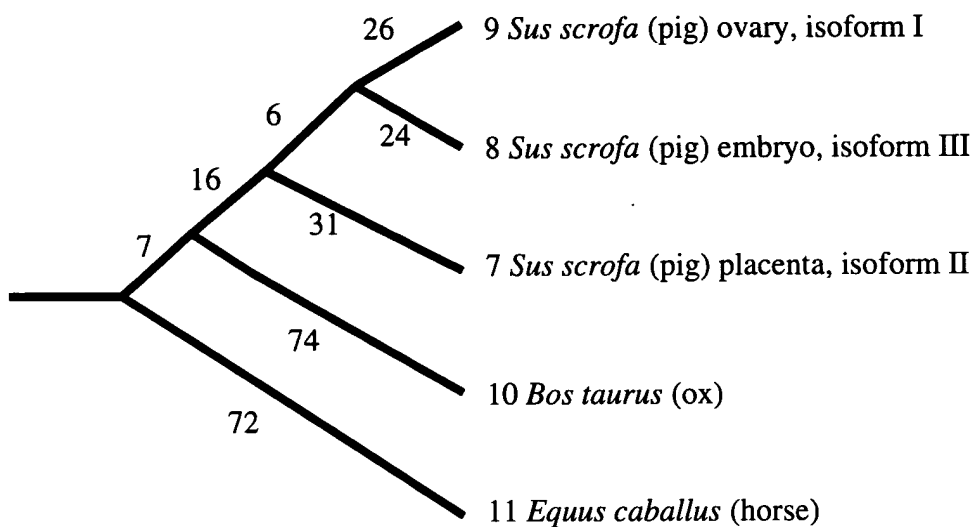
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Drawing 4



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Drawing 5



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